

ABSTRACT

An electrosurgical electrode assembly having a cutting device including a catheter with a proximal and distal end, and an electrode carried on the distal end of the catheter. A controller is  
5 connected to the cutting device. A data acquisition system is connected to the controller and is capable of monitoring voltage and current output. A microprocessor may also be connected to the data acquisition system for processing voltage and current data from the data acquisition system. A generator is also connected to the data acquisition system. The controller initiates movement of the electrode upon arc initiation at the electrode. Methods of using the devices  
10 herein are also disclosed.